

**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application.

**Listing of Claims:**

**Claim 1. (Currently amended)** A bone repair putty material, comprising:

a porous, resorbable particulate derived of anorganic bone mineral or natural bone-derived material or synthetic hydroxyapatite in a concentration of ~~at least about 50~~ 55 weight percent or greater of said material, said particulate having a bulk density of 1.1 to 1.3 g/cc; and

a resorbable carrier gel component for suspending said particulate, forming a putty-like formulation, for placing in a bony defect, said gel component having a sufficiently high molecular weight and concentration in the putty such that bone repair is facilitated while migration and expansion of said particulate is minimized.

**Claim 2. (Original)** The bone repair material of claim 1 wherein said resorbable particulate is bovine-derived having a particle size range of 250 to 1000  $\mu\text{m}$ .

**Claim 3. (Original)** The bone repair material of claim 1 wherein said resorbable particulate is a porous hydroxyapatite derived from lime-containing algae, having a particle size range of 300-1000  $\mu\text{m}$ .

**Claim 4. (Original)** The bone repair material of claim 1, wherein said carrier gel component comprises a polysaccharide.

**Claim 5. (Previously presented)** The bone repair material of claim 4, wherein said carrier gel component is hyaluronic acid or its derivatives, or hydroxylpropyl cellulose or mixtures thereof.

**Claim 6. (Original)** The bone repair material of claim 5, wherein said carrier gel component is

hyaluronic acid or its derivatives having a molecular weight of  $0.7-2.0 \times 10^6$  daltons and a final concentration of 45-64 mg/cc in the putty.

**Claim 7. (Previously presented)** The bone repair material of claim 1, further comprising at least one P-15 synthetic biomimetic, polypeptide sequence of Type I collagen bound to said particulate.

**Claim 8. (Currently amended)** A bone repair putty material for dental bone repair procedures, comprising:

a porous, synthetic, resorbable, bone-like hydroxyapatite or anorganic bone derived particulate, in an amount of ~~at least about 50~~ 55 weight percent ~~or greater~~ of said material, said particulate having a bulk density of 1.1 to 1.3 g/cc; and

a hyaluronic acid gel in an amount of about 25-70 weight percent of said material, wherein said material is a moldable, cohesive putty for application to bony defects.

**Claim 9. (Canceled)**

**Claim 10. (Previously presented)** The bone repair material of claim 8, wherein said bone repair material comprises about 55 weight percent particulate and about 45 weight percent hyaluronic acid gel.

**Claim 11. (Canceled)**

**Claim 12. (Previously presented)** The bone repair material of claim 4, wherein said carrier is a hydroxylpropyl cellulose or methyl cellulose gel forming a moldable, cohesive putty.

**Claim 13. (Previously presented)** The bone repair material of claim 8 further comprising at least one of a P-15 polypeptide sequence of collagen bound to xenogeneic bone mineral particulate of about 200-500 mm in diameter, suspended in said gel carrier, said material having a putty-like consistency.

**Claim 14. (Previously presented)** The bone repair material of claim 3 further comprising at least one of a P-15 polypeptide sequence of collagen bound to porous hydroxyapatite derived from lime containing algae of about 300-1000  $\mu\text{m}$  in diameter suspended in hydroxylpropyl cellulose or hyaluronic gel carrier, said material having a putty-like consistency.

**Claims 15-18 (Canceled).**

**Claim 19. (Previously presented)** The bone repair material of claim 7, wherein the concentration of P-15 synthetic biomimetic, polypeptide sequence of Type I collagen in the putty is at least about 800 mg/cc.

/

//

///